




From: Dave Larsen <dlarsen@reiengineering.com>
Sent: Thursday, October 03, 2019 1:41 PM
To: Stoltz, Carrie R - DNR
Subject: RE: Tower Standard
Attachments: Abandonment.pdf

Carrie, well abandonment costs for wells specific to the Kozak property. MW18 nest, MW19 nest, MW21 and MW22 nest along with the EPA/Bristol Env installed sub slab vapor point installed in the former Tower Standard building. This contractor is the same contractor we used for the well installation services. The intent is to grout the piezometers and capture the displaced liquids during the grouting procedures. The liquid waste will be containerized in 55 gallon drums and disposed of properly. Please let me know if you have any questions or concerns.

Thank you,
David N. Larsen P.G.
Senior Hydrogeologist / Professional Geologist



Connect with us :   

Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.

Usual and Customary Standardized Invoice #26

July 2019 - December 2019



RR-111a

PECFA #: 54538-9514-67 Vendor Name: REI
 BRRTS #: 03-64-127899 Invoice #:
 Site Name: Tower Standard Invoice Date: 10-3-19 Proposal Date
 Site Address: 14267 Hwy 70, Lac du Flambeau Check #:

U&C Total \$ 1,838.49
 Variance to U&C Total \$ 5,839.28
 Grand Total \$ 7,677.77

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 141.24	1	\$ 141.24
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 43.37	2	\$ 86.74
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 316.47	1	incremental
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$ 162.86	1	\$ 162.86
8	Well Abandonment	Consultant	WAB31	Primary Mob/Demob w/ vapor point abandonment	Site	\$ 563.48	1	\$ 563.48
8	Well Abandonment	Consultant	WAB32	Vapor Point Abandonment	Point	\$ 81.58	1	\$ 81.58
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 56.78	2	\$ 113.56
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$ 295.80	1	\$ 295.80
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 393.23	1	\$ 393.23
Variance	Well Abandonment				Variance	\$5,839.28	1	\$ 5,839.28

Table 1
Variance Request
10-3-19 Proposal Date
Well Abandonment
Tower Standard

Description	Task	Quantity	Unit Cost	Event	Events	Total Cost
Report Addendum						
Commodity cost to abandon monitoring wells		1	\$3,731.00	\$3,731.00	1	\$3,731.00
Project Management	hour	10	\$112.96	\$1,129.60	1	\$1,129.60
Site Time	hour	8	\$112.96	\$903.68	1	\$903.68
Sawzall - cordless	Day	1	\$25.00	\$25.00	1	\$25.00
Top Soil and Grass Seed	Lump	1	\$25.00	\$25.00	1	\$25.00
Asphalt Patch	Lump	1	\$25.00	\$25.00	1	\$25.00
						\$5,839.28

\\reifnp\Projects\0900-0999\0903-Tower\903 Proposed Work\2019\Abandonment.xlsx\Well Abandonment



GESTRA Engineering, Inc.
191 W. Edgerton Avenue
Milwaukee, WI 53205
Phone: (414)-933-7444
Fax: (414) 933-7844

Break Down of Contract Drilling Services

Project: Lac Du Flambeau Well Abandonments
Proposal Number: P19389-60
Site Location: 14267 Highway 70 West, Lac Du Flambeau, WI
Date: 9/25/2019
Client: REI Engineering
Mileage r/t: N/A
Estimated By: TRW

Attn: Dave Larsen, P.G.

Estimate Based on the Request for Proposal

Soil Borings	Units	Unit Price	Quantity	Total Cost	Assumptions
Mob/Demobilization	Daily	\$850.00	1	\$850.00	
Protective Cover Removal	Each	\$85.00	7	\$595.00	Remove cover, cut down to 30 inches below ground surface.
Bollard Removal	Each	\$75.00	0	\$0.00	
Well Abandonment	Lineal Foot	\$6.00	62.5	\$375.00	3/8 Bentonite Chips
Well Abandonment (Grout)	Lineal Foot	\$8.50	116	\$986.00	Liquid grout.
Generator and Jack Hammer Rental	Day	\$200.00	1	\$200.00	Remove existing covers.
Containerize Abandonment Liquids	Lump Sum	\$350.00	1	\$350.00	
Matting for Lawn Protection	Day	\$200.00	1	\$200.00	
D.O.T. Drums	Each	\$75.00	0	\$0.00	Provided by REI
Restore Surface at Well	Each	\$75.00	0	\$0.00	To be done by REI
Disposal of Abandonment Materials	Lump Sum	\$175.00	1	\$175.00	
Total Estimated Project Cost				\$3,731.00	

Additional Services

	Units	Unit Rate	Quantity	Total Est.	Assumptions
Total				\$0.00	

This quotation is an estimate and is not a lump sum. GESTRA reserves the right to charge for services as performed according to the attached fee schedule.

Quotation Prepared By:

Quotation Accepted By:

Timothy R. Winkler, Drilling Manager

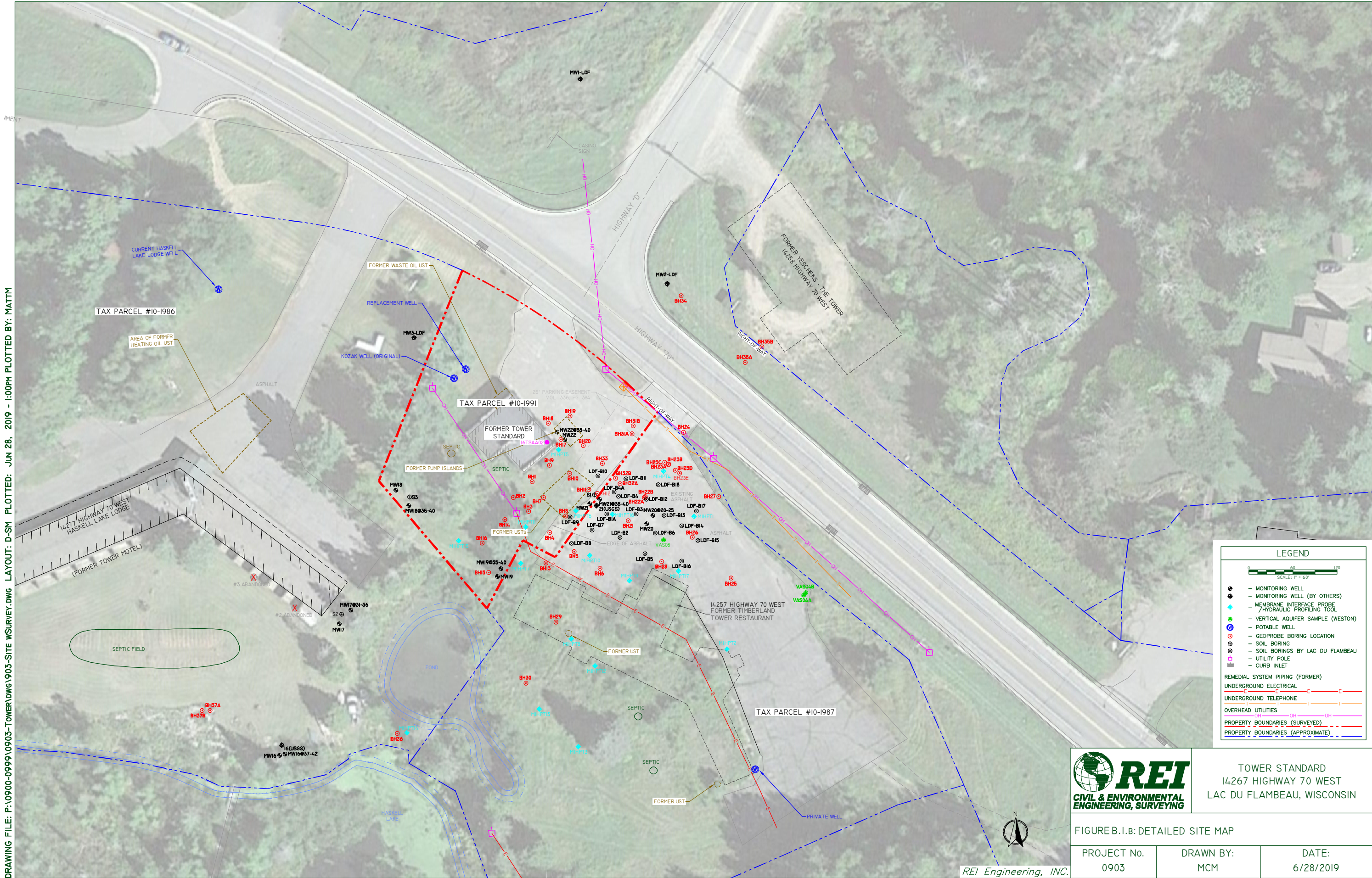
Print Name and Position

Print Name and Position

Signature

Signature

DRAWING FILE: P:\0900-0999\10903-TOWER\DWG\903-SITE WSURVEY.DWG LAYOUT: D-SM PLOTTED: JUN 28, 2019 - 1:00PM PLOTTED BY: MATTM



REI Engineering, INC.